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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * Welcome to STN International * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	DEC 01	ChemPort single article sales feature unavailable
NEWS	3	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS	4	APR 07	STN is raising the limits on saved answers
NEWS	5	APR 24	CA/CAPLUS now has more comprehensive patent assignee information
NEWS	6	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS	7	APR 28	CAS patent authority coverage expanded
NEWS	8	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS	9	APR 28	Limits doubled for structure searching in CAS REGISTRY
NEWS	10	MAY 08	STN Express, Version 8.4, now available
NEWS	11	MAY 11	STN on the Web enhanced
NEWS	12	MAY 11	BEILSTEIN substance information now available on STN Easy
NEWS	13	MAY 14	DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
NEWS	14	MAY 15	INPADOCDB and INPAFAMDB enhanced with Chinese legal status data
NEWS	15	MAY 28	CAS databases on STN enhanced with NANO super role in records back to 1992
NEWS	16	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN
NEWS	17	JUN 26	NUTRACEUT and PHARMAML no longer updated
NEWS	18	JUN 29	IMSCOPROFILE now reloaded monthly
NEWS	19	JUN 29	EPFULL adds Simultaneous Left and Right Truncation (SLART) to AB, MCLM, and TI fields
NEWS	20	JUL 09	PATDPAFULL adds Simultaneous Left and Right Truncation (SLART) to AB, CLM, MCLM, and TI fields
NEWS	21	JUL 14	USGENE enhances coverage of patent sequence location (PSL) data
NEWS	22	JUL 27	CA/CAPLUS enhanced with new citing references
NEWS	23	JUL 16	GBFULL adds patent backfile data to 1855
NEWS	24	JUL 21	USGENE adds bibliographic and sequence information

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

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NEWS LOGIN Welcome Banner and News Items

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:41:56 ON 27 JUL 2009

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.22

0.22

FILE 'REGISTRY' ENTERED AT 11:42:14 ON 27 JUL 2009

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 JUL 2009 HIGHEST RN 1168220-55-0

DICTIONARY FILE UPDATES: 24 JUL 2009 HIGHEST RN 1168220-55-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

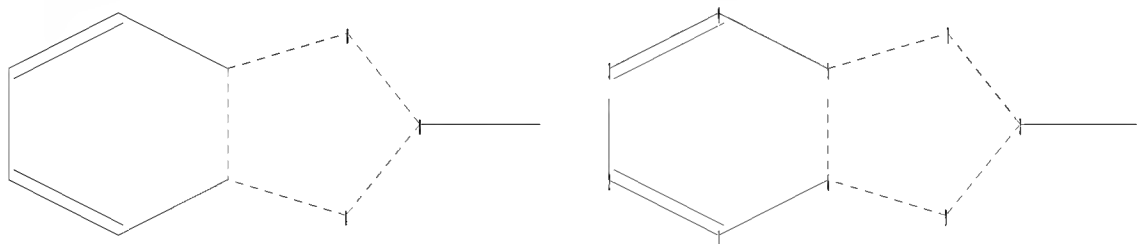
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>

Uploading C:\Program Files\STNEXP\Queries\10581399.str



chain nodes :

10

ring nodes :

1 2 3 4 5 6 7 8 9

chain bonds :

8-10

ring bonds :

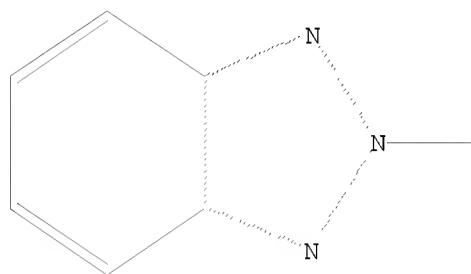
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exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 8-10

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS

L1 STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 11:42:31 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 4231 TO ITERATE

47.3% PROCESSED 2000 ITERATIONS 50 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 80719 TO 88521
PROJECTED ANSWERS: 1680 TO 2974

L2 50 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 11:42:35 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 84204 TO ITERATE

100.0% PROCESSED 84204 ITERATIONS 2951 ANSWERS
SEARCH TIME: 00.00.01

L3 2951 SEA SSS FUL L1

=> fil caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

	SINCE FILE ENTRY	TOTAL SESSION
	185.88	186.10

FILE 'CAPLUS' ENTERED AT 11:42:39 ON 27 JUL 2009
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FILE COVERS 1907 - 27 Jul 2009 VOL 151 ISS 5
FILE LAST UPDATED: 26 Jul 2009 (20090726/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2009.

CAS Information Use Policies apply and are available at:

<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAPLUS family of databases have been updated to include new citing references information. This enhancement may impact record import into database management software. For additional information, refer to NEWS 22.

=> s l3

L4 810 L3

=> s l4 and electroluminescent

85679 ELECTROLUMINESCENT

8 ELECTROLUMINESCENTS

85682 ELECTROLUMINESCENT

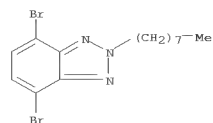
(ELECTROLUMINESCENT OR ELECTROLUMINESCENTS)

L5 5 L4 AND ELECTROLUMINESCENT

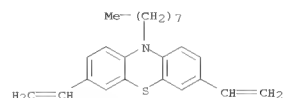
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L5 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2008:1237508 CAPLUS
 DOCUMENT NUMBER: 151:9215
 TITLE: Conjugated polymers for optoelectronic applications
 AUTHOR(S): Xu, Shengang; Liu, Yingliang; Cao, Shaokui
 CORPORATE SOURCE: School of Materials Science and Engineering, Zhengzhou
 SOURCE: University, Zhengzhou, 450052, Peop. Rep. China
 Macromolecular Symposia (2008), 270 (Macromolecular Complexes), 161-170
 CODEN: MSYMEC; ISSN: 1022-1360
 PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Novel conjugated polymers containing carbazole, phenothiazine or triphenylamine units in the main chain were designed and synthesized via Wittig, Knoevenagel or Heck condensations resp. A majority of them have good solubility in common organic solvents, high thermal stability and good hole-injection ability. Their diluted solns. in TNF showed strong absorption with the absorption maximum in the range of 294.apprx.470 nm and the optic band gaps located in the range of 1.90.apprx.2.75 eV. When irradiated by UV or visible light, the diluted solns. in THF of the polymers emitted light from purple to yellow color with the emission maximum in the range of 347.apprx.597 nm and the full width at half maximum located in the range of 59.apprx.119 nm. Several polymeric light-emitting diodes (PLEDs) devices were fabricated using these polymers as light-emitting materials, and a double-layer device composed of ITO/PEDOT:PSS/PQTn/Mg:Ag showed a good performance, in which the maximum brightness was measured as 2434.0 cd/m² under a 11.0 V forward bias voltage. Photovoltaic devices were also investigated using these polymers as an active layer, and a device composed of ITO/PNB/PTCDDI-C13/Al showed a good performance, which was estimated to have external quantum efficiency at around 1% at 330 nm.
 From these preliminary exptl. results, we may infer that these polymers are good light-emitting materials for PLEDs, while for photovoltaic applications, their absorption spectra need to be further improved to match the solar illumination.
 IT 960509-84-6P 1159011-55-8P
 RI: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (conjugated polymers for optoelectronic applications)
 RN 960509-84-6 CAPLUS
 CN 10H-Phenothiazine, 3,7-diethenyl-10-octyl-, polymer with 4,7-dibromo-2-octyl-2H-benzotriazole (CA INDEX NAME)
 CM 1
 CRN 960509-83-5
 CMF C14 H19 Br2 N3

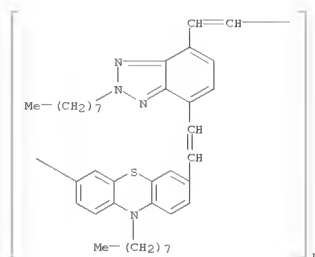
L5 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



CM 2
 CRN 960509-82-4
 CMF C24 H29 N S



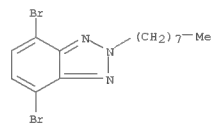
RN 1159011-55-8 CAPLUS
 CN Poly[(10-octyl-10H-phenothiazine-3,7-diyl)-(1E)-1,2-ethenediyl(2-octyl-2H-benzotriazole-4,7-diyl)-(1E)-1,2-ethenediyl] (CA INDEX NAME)



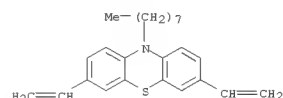
REFERENCE COUNT: 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L5 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 2007:1301715 CAPLUS
 DOCUMENT NUMBER: 148:79653
 TITLE: Synthesis and electroluminescent properties of a phenothiazine-based polymer for nondoped polymer light-emitting diodes with a stable orange-red emission
 AUTHOR(S): Liu, Yingliang; Cao, Huayu; Li, Jianghui; Chen, Zhijian; Cao, Shaokui; Xiao, Lixin; Xu, Shengang; Gong, Qihuang
 CORPORATE SOURCE: State Key Laboratory for Mesoscopic Physics, Department of Physics, Peking University, Beijing, 100871, Peop. Rep. China
 SOURCE: Journal of Polymer Science, Part A: Polymer Chemistry (2007), 45(21), 4867-4878
 CODEN: JPACEC; ISSN: 0887-624X
 PUBLISHER: John Wiley & Sons, Inc.
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB A novel phenothiazine-based polymer was synthesized through the Heck reaction of 3,7-divinyl-N-octyl-phenothiazine with 4,7-dibromo-2-octylbenzotriazole according to the alternating donor-acceptor strategy. The polymer was characterized with ¹H NMR, IR spectroscopy, gel permeation chromatog., cyclic voltammetry, UV-visible spectroscopy, and fluorescence spectroscopy. With the polymer used as an active layer, three nondoped polymer light-emitting diodes (PLEDs) with a double-layer configuration were fabricated by the spin-coating approach with different thermal annealing processes. The emission maximum in electroluminescent spectra was stabilized at 616 nm. The maximum luminance reached 2432 cd/m². The coordinate value of Commission International de l'Eclairage 1931 in the double-layer PLEDs after the thermal treatment was nearly stabilized at (x, y) = (0.62, 0.38).
 Addnl., the luminous efficiency of device II reached a balanceable state with an increase in the current. Therefore, the polymer had an orange-red emission with stable chromaticity coordinates under different driving voltages. Finally, a nondoped device with a stable luminous efficiency and chromaticity was obtained.
 IT 960509-84-6P 960509-85-7P
 RI: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) (synthesis and electroluminescent properties of phenothiazine-based polymer for nondoped polymer light-emitting diodes with stable orange-red emission)
 RN 960509-84-6 CAPLUS
 CN 10H-Phenothiazine, 3,7-diethenyl-10-octyl-, polymer with 4,7-dibromo-2-octyl-2H-benzotriazole (CA INDEX NAME)
 CM 1
 CRN 960509-83-5
 CMF C14 H19 Br2 N3

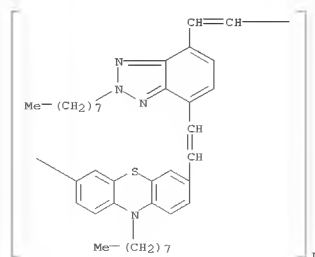
L5 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



CM 2
 CRN 960509-82-4
 CMF C24 H29 N S

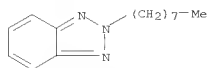


RN 960509-85-7 CAPLUS
 CN Poly[(10-octyl-10H-phenothiazine-3,7-diyl)-1,2-ethenediyl(2-octyl-2H-benzotriazole-4,7-diyl)-1,2-ethenediyl] (CA INDEX NAME)

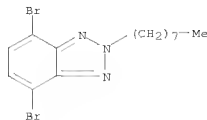


IT 112642-69-0P 960509-83-5P
 RI: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (synthesis and electroluminescent properties of phenothiazine-based polymer for nondoped polymer light-emitting diodes with stable orange-red emission)
 RN 112642-69-0 CAPLUS

L5 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
CN 2H-Benzotriazole, 2-octyl- (CA INDEX NAME)



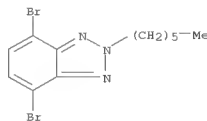
RN 960509-83-5 CAPLUS
CN 2H-Benzotriazole, 4,7-dibromo-2-octyl- (CA INDEX NAME)



OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD
(6 CITINGS)
REFERENCE COUNT: 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
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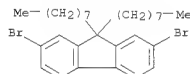
L5 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:499456 CAPLUS
DOCUMENT NUMBER: 147:41829
TITLE: Fluorene-based copolymers for color-stable blue light-emitting diodes
AUTHOR(S): Sun, Mingliang; Niu, Qiaoli; Yang, Pengqiang; Du, Bin; Liu, Ransheng; Yang, Wei; Peng, Junbiao; Cao, Yong
CORPORATE SOURCE: Institute of Polymer Optoelectronic Materials and Devices, Key Laboratory of Special Functional Materials, South China University of Technology, Guangzhou, 510640, Peop. Rep. China
SOURCE: European Polymer Journal (2007), 43(5), 1916-1922
CODEN: EUPJAG; ISSN: 0014-3057
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Random conjugated copolymers (PFO-HBT) derived from 9,9-dioctylfluorene (DOF) and 2-hexylbenzotriazole (HBT) were prepared by the Pd-catalyzed Suzuki coupling reaction with the feed HBT molar ratio around 1%, 5% and 15%. By copolymerizing 2-hexylbenzotriazole into the backbone of polyfluorene, an efficient colorfast blue light-emitting polymer system is developed. The device with the structure of ITO (In Sn oxide)/PEDOT/PVK/PFO-HBTI/Ba/Al exhibits the highest external quantum efficiency 1.62% with luminance efficiency of 2.69 cd/A, power efficiency of 1.25 lm/W and the CIE coordinates of (0.15, 0.17). The EL spectra are stable at the increased c.d. and continuous operation without significant change of CIE.
IT 938181-99-8P
RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(fluorene-based copolymers for color-stable blue light-emitting diodes)
RN 938181-99-8 CAPLUS
CN 2H-Benzotriazole, 4,7-dibromo-2-hexyl-, polymer with 2,7-dibromo-9,9-dioctyl-9H-fluorene and 2,2'-(9,9-dioctyl-9H-fluorene-2,7-diyl)bis[4,4,5,5-tetramethyl-1,3,2-dioxaborolane] (CA INDEX NAME)

CM 1
CRN 851106-87-1
CMF C12 H15 Br2 N3

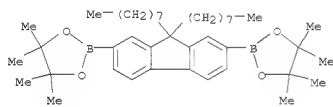


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CRN 198964-46-4
CMF C29 H40 Br2

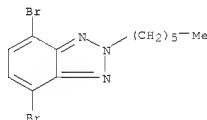
L5 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



CM 3
CRN 196207-58-6
CMF C41 H64 B2 O4



IT 851106-87-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(fluorene-based copolymers for color-stable blue light-emitting diodes)
RN 851106-87-1 CAPLUS
CN 2H-Benzotriazole, 4,7-dibromo-2-hexyl- (CA INDEX NAME)



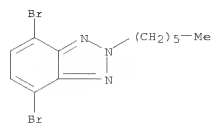
OS.CITING REF COUNT: 6 THERE ARE 6 CAPLUS RECORDS THAT CITE THIS RECORD
(6 CITINGS)
REFERENCE COUNT: 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:367294 CAPLUS
DOCUMENT NUMBER: 144:413585
TITLE: Production of high quantum yield luminescent monomers, oligomers and polymers and their uses
INVENTOR(S): Morishita, Yoshii; Nomura, Satoyuki; Tsuda, Yoshihiro;
Tai, Seiji; Marrocco, Matthew, L., III; Motamedi, Farshad, J.; Wang, Li-Sheng; Liang, Yongchao
Hitachi Chemical Co., Ltd., Japan; Maxdem
PATENT ASSIGNEE(S):
SOURCE: PCT Int. Appl., 168 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

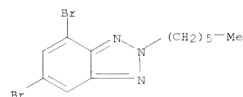
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006041221	A1	20060420	WO 2005-JP19352	20051014
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FW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NP, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
US 20060083945	A1	20060420	US 2004-966370	20041015
JP 2008516008	T	20080515	JP 2007-516129	20051014
CN 101203538	A	20080618	CN 2005-80035298	20070416
KR 2007118582	A	20071217	KR 2007-710893	20070514
KR 904606	B1	20090625		
PRIORITY APPLN. INFO.:			US 2004-966370	A 20041015
			WO 2005-JP19352	W 20051014

OTHER SOURCE(S): MARPAT 144:413585
AB The invention relates generally to novel high quantum yield luminescent monomers, oligomers, and polymers, comprising benzotriazole repeating units and derivs. thereof have been discovered and utilized in optical devices and components therefor, including electroluminescent devices, light emitting devices, photoluminescent devices, organic light emitting diodes (OLEDs), OLED displays, lights, as sensors, UV stabilizers, and the like. Thus, a 1,4-dibromo-2,5-bis(hexyloxy)benzene-2,5-bis(hexyloxy-1,4-benzenebisboronic ethylene glycol ester-2,4-di-tert-butyl-6-(4,7-dibromobenzotriazol-2-yl)-phenol copolymer with PL peak at 495 nm (green color) was prepared and coated on a Paytron P-coated ITO glass and followed by vapor deposited an Al film to give an EL device with high quantum yield.
IT 851106-87-1P
RL: IMP (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)

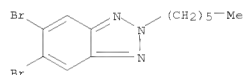
L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
 (monomer; prodn. of high quantum yield luminescent monomers, oligomers
 and polymers for electroluminescent devices)
 RN 851106-87-1 CAPLUS
 CN 2H-Benzotriazole, 4,7-dibromo-2-hexyl- (CA INDEX NAME)



IT 883741-51-3, 4,6-Dibromo-2-hexyl-2H-benzotriazole
 883741-52-4, 5,6-Dibromo-2-hexyl-2H-benzotriazole
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (monomer; production of high quantum yield luminescent monomers,
 oligomers
 and polymers for electroluminescent devices)
 RN 883741-51-3 CAPLUS
 CN 2H-Benzotriazole, 4,6-dibromo-2-hexyl- (CA INDEX NAME)

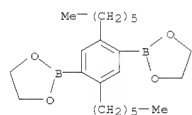


RN 883741-52-4 CAPLUS
 CN 2H-Benzotriazole, 5,6-dibromo-2-hexyl- (CA INDEX NAME)

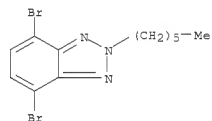


IT 883741-45-5P, 1,4-Dibromo-2,5-bis(hexyloxy)benzene-2,5-bis(hexyloxy)-
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 883741-46-6P, 1,4-Dibromo-2,5-bis(hexyloxy)benzene-2,5-bis(hexyloxy)-1,4-
 benzenebisboronic ethylene glycol ester-4,7-dibromo-2-hexyl-2H-
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 4-Bromo-N-(4-bromophenyl)-N-phenylbenzenamine-2,5-bis(hexyloxy)-1,4-
 benzenebisboronic ethylene glycol ester-4,7-dibromo-2-hexyl-2H-
 benzotriazole copolymer
 RL: DEV (Device component use); IMF (Industrial manufacture); PRP
 (Properties); PREP (Preparation); USES (Uses)
 (production of high quantum yield luminescent monomers, oligomers and
 polymers for electroluminescent devices)

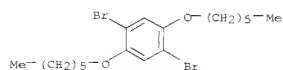
L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
 CRN 883741-17-1
 CMF C22 H36 B2 O4



CM 2
 CRN 851106-87-1
 CMF C12 H15 Br2 N3



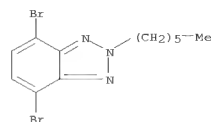
CM 3
 CRN 128424-36-2
 CMF C18 H28 Br2 O2



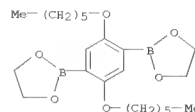
RN 883741-47-7 CAPLUS
 CN Benzenamine, 4-bromo-N-(4-bromophenyl)-N-phenyl-, polymer with
 2,2'-[2,5-bis(hexyloxy)-1,4-phenylene]bis[1,3,2-dioxaborolane] and
 4,7-dibromo-2-hexyl-2H-benzotriazole (9CI) (CA INDEX NAME)

CM 1
 CRN 851106-87-1
 CMF C12 H15 Br2 N3

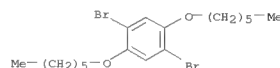
L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
 RN 883741-45-5 CAPLUS
 CN 2H-Benzotriazole, 4,7-dibromo-2-hexyl-, polymer with
 2,2'-[2,5-bis(hexyloxy)-1,4-phenylene]bis[1,3,2-dioxaborolane] and
 1,4-dibromo-2,5-bis(hexyloxy)benzene (9CI) (CA INDEX NAME)
 CM 1
 CRN 851106-87-1
 CMF C12 H15 Br2 N3



CM 2
 CRN 849691-48-1
 CMF C22 H36 B2 O6

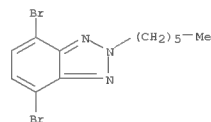


CM 3
 CRN 128424-36-2
 CMF C18 H28 Br2 O2

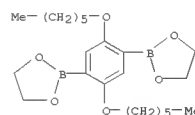


RN 883741-46-6 CAPLUS
 CN 2H-Benzotriazole, 4,7-dibromo-2-hexyl-, polymer with
 1,4-dibromo-2,5-bis(hexyloxy)benzene and
 2,2'-[2,5-dihexyl-1,4-phenylene]bis[1,3,2-dioxaborolane] (9CI) (CA INDEX
 NAME)
 CM 1

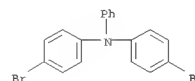
L5 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



CM 2
 CRN 849691-48-1
 CMF C22 H36 B2 O6



CM 3
 CRN 81090-53-1
 CMF C18 H13 Br2 N

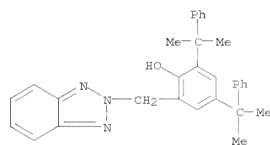


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE
 FORMAT

L5 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1997:389127 CAPLUS
 DOCUMENT NUMBER: 127:10877
 ORIGINAL REFERENCE NO.: 127:2133a,2136a
 TITLE: Electroluminescent device elements
 INVENTOR(S): Roitman, Daniel B.
 PATENT ASSIGNEE(S): Hewlett Packard Co., USA
 SOURCE: Jpn. Kokai Tokkyo Koho, 4 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09106889	A	19970422	JP 1996-141457	19960604
JP 3951067	B2	20070801		
US 5629389	A	19970513	US 1995-463141	19950606
PRIORITY APPLN. INFO.:			US 1995-463141	A 19950606

AB The elements comprise a hole-injecting electrode, a hole-transporting phosphor, an electron-transporting and an electron injecting layer, where the phosphor layer contains an organic polymer and a phenol additive >4%.
 IT 163674-04-2
 RL: DEV (Device component use); USES (Uses)
 (electroluminescent device elements)
 RN 163674-04-2 CAPLUS
 CN Phenol, 2-(2H-benzotriazol-2-ylmethyl)-4,6-bis(1-methyl-1-phenylethyl)-
 (CA INDEX NAME)



OS.CITING REF COUNT: 11 THERE ARE 11 CAPLUS RECORDS THAT CITE THIS RECORD (11 CITINGS)

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COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

30.94

217.04

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-4.10

-4.10

STN INTERNATIONAL LOGOFF AT 11:43:03 ON 27 JUL 2009